

Application No. 10/090,358  
Amendment dated November 17, 2006  
Reply to Office Action of September 1, 2006

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (previously presented): A negative pressure therapy device, comprising:

- a screen means for placement within a wound bed;
- a sealing means adhered over said screen means and wound bed;
- a vacuum source fluidically communicating with said screen means;

and

- a fluid compositional sensing device interposed between said screen means and said vacuum source;

- wherein the fluid compositional sensing device senses compositional characteristics of unfiltered wound fluid from the wound bed.

Claim 2 (previously presented): The negative pressure therapy device of claim 1 wherein said fluid compositional sensing device comprises a gas chromatograph.

Claim 3 (previously presented): The negative pressure therapy device of claim 2 wherein said gas chromatograph further comprises a photo diode operable in optical proximity to fluids being drawn from the wound site towards said vacuum source.

Claim 4 (previously presented): The negative pressure therapy device of claim 1 wherein said fluid compositional sensing device is comprised of a sensor array.

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**Claim 5 (previously presented):** The negative pressure therapy device of claim 1 further comprising a collection canister interposed between said screen means and said fluid compositional sensing device.

**Claim 6 (previously presented):** A negative pressure therapy device, comprising:

- a screen means for placement within a wound bed;
- a sealing means adhered over said screen means and wound bed;
- a vacuum source fluidically communicating with said screen means;
- a collection canister interposed between said screen means and said vacuum source; and
- a fluid compositional sensing device for detecting infection;

wherein the fluid compositional sensing device senses compositional characteristics of unfiltered wound fluid from the wound bed, said compositional characteristics indicative of said infection within the wound.

**Claim 7 (previously presented):** The negative pressure therapy device of claim 6 wherein said fluid compositional sensing device is embedded within said screen means.

**Claim 8 (previously presented):** The negative pressure therapy device of claim 6 wherein said fluid compositional sensing device is disposed on said sealing means, such that said fluid compositional sensing device is in contact with said screen means.

**Claim 9 (previously presented):** The negative pressure therapy device of claim 6 wherein said fluid compositional sensing device is disposed within said canister.

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**Claim 10 (previously presented): The negative pressure therapy device of claim 6 further comprising a flexible conduit for communicating between said screen means and said vacuum source.**